

140-011123
1439053

Bid Specifications for Picnic Table Restoration

Bid is to include repair and restoration of all the picnic tables and benches at the Division 1/District 4 Rest Area located on I-65 in Cullman. Vendors/contractors must attend an onsite preview and must obtain the signature of the District Engineer, or his representative, confirming the onsite visit.

Removal of existing coating from seat bench and top of each table using chemical agent capable of softening/loosening surface insuring complete and total removal of all residual debris.

Containment and disposal of all debris including liquid chemical solutions and residue is the responsibility of the vendor/contractor and must at all times comply with ADEM and EPA regulations. Compliance with EPA and ADEM regulations is the sole responsibility of the vendor/contractor.

Surface preparation, according to manufacturer, is critical to proper adhesion and longevity of new coating. Contractor must etch surface by use of diamond impregnated abrasion disc and grinder avoiding deep cuts and dips on surface. Any deep cuts and/or dips in surface whether pre-existing or caused by the vendor/contractor, must be repaired by the vendor/contractor prior to application of coating.

Surface must then be cleaned using muriatic acid diluted to a one to one ratio. Vendor/contractor must use care in this process to avoid damage to surrounding areas. Any damage caused to surrounding surfaces must be repaired by the vendor/contractor.

A pressure washer and ammonia solution must be used to ensure removal of muriatic acid. Vendor/contractor must use extreme caution when using muriatic acid and must be equipped to handle and use this chemical. Containment of all chemicals used must be emphasized to minimize impact on plant life.

All surfaces of the table, benches and cement pad must be pressure washed so final project is aesthetically pleasing.

Surface must then be allowed to dry before application of new surface.

The coating material will be as specified below. The new surface must be a minimum of 10 mils thick. Color must be approved by the District Engineer.

Product description:

Advacoat #ACC 103 Polyaspartic Polyurea or equivalent

Physical Properties -

Cured Film Properties Test Method Typical Value

Solids Content 100%

Shore D Hardness ASTM D2240 65-75

Elongation ASTM D638 15%

Tensile Strength, psi ASTM D638 7000-7500
Tear Strength, pli, Die C ASTM D624 625
Taber abrasion, mg. Loss, CS-17 ASTM D4060 66.8
Gloss, 60o spec. ASTM D523 90+
Impact, direct, reverse ASTM D2794 >100 in-lbs
Working Time (77o F, RH 54%) 12 – 18 minutes
Tack Free 1 _ - 2 Hours
Return to Use 4-5 hours

Areas that are in the restoration process must be roped off from public use. It is the responsibility of the vendor/contractor to keep the areas roped off while work is in progress. Work shall be performed in a manner to minimize the loss of use to the public. No more than 6 tables and the accompanying benches may be out of service to the public at any time.

No work to be performed on Holidays.

All materials and equipment necessary for completion and clean up of job will be the responsibility of the vendor/contractor. All costs for disposal of materials will be the responsibility of the vendor/contractor.